

Date: Thu, 23 Jun 94 02:03:10 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #695  
To: Info-Hams

Info-Hams Digest                      Thu, 23 Jun 94                      Volume 94 : Issue    695

Today's Topics:

Astron Power Supply  
Best dual-band HT antenna?  
Collecting Radio Operator Plates  
Dumb question responses (2 msgs)  
Ham related clip art?  
Help on hard/software to download weather images  
IPS Daily Report - 22 June 94  
LARC vs ARRL now moot?  
Old QSTs available  
Something different ... CW sent to MIDI !  
Tunnel Radio Help Request (4 msgs)  
Want NEW th78 mod for 800  
You know its time to retire from the hobby when....

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 22 Jun 94 16:33:11 EDT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!  
sundog.tiac.net!usenet.elf.com!rpi!psinntp!main03!landisj@network.ucsd.edu  
Subject: Astron Power Supply  
To: info-hams@ucsd.edu

In article <2u4pka\$18i@eagle.bet.ibm.com>, biekert@inetgw.fsc.ibm.com (Robert E.  
Biekert) writes:

> We have an Astron 35M power supply on our repeater. Normally there is no  
> problem, however, when there is a power glitch the power supply has a protection

> circuit which shuts off the power and it takes a manual throwing of the on/off  
> switch to restore power. This means a trip to the repeater site to spend 20  
> seconds throwing the switch.  
> Does anyone know how to defeat this 'protection' circuit. Since we don't have a  
> key to the site we have to hassle the owners at \$60 a pop!  
>  
> Thanks Bob KA5GLX Houston, Tx  
> biekert@vnet.ibm.com

This supply MAY have an overvoltage "crowbar" protection circuit which is set a little too close to the supplies normal output voltage. If so, find the trip point by adjusting the output up slightly until it engages. If it's too close, adjust the crowbar circuit operating point higher. Don't let the output voltage get above say 15V.

Or the output voltage may have drifted up to where the OVP trips too easily. In either case, set the output voltage to 13.8 with an accurate dvm.

Joe

--

Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA  
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WB3JOE.#EPA.PA.USA  
Opinions are mine only, and do not reflect those of my employer.

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Date: Wed, 22 Jun 1994 21:01:31 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!spool.mu.edu!news.clark.edu!  
netnews.nwnet.net!ns1.nodak.edu!plains!lindseth@network.ucsd.edu  
Subject: Best dual-band HT antenna?  
To: info-hams@ucsd.edu

I have lost my handheld antenna for the second time. I would like to know which short duck antenna has would perform the best with my Alinco 580. I have heard that the one Larson makes is pretty good. I have also heard that the factory supplied antenna is pretty much a dummy load. Any help will be much appreciated. Thanks!

Brad  
lindseth@plains.nodak.edu

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Date: 23 Jun 94 01:50:24 GMT  
From: spcuna!starcomm.overleaf.com!n2ayj!n2ayj@RUTGERS.EDU  
Subject: Collecting Radio Operator Plates

To: info-hams@ucsd.edu

In article <2u7ki7\$2r4@vern.bga.com> redoutey@bga.com writes:

>

>I am starting a collection of Ham Radio License Plates. I would like to  
>collect all 50 states and as many countries as possible. Old calls are  
>fine.

How about non-calls? I believe some states issue sample plates for a nominal fee. Maybe ham calls are included. Just a thought...

--

Stan Olochwoszcz, N2AYJ

n2ayj@n2ayj.overleaf.com

\*\*Tax, title, dealer prep, and destination charges not included.\*\*

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Date: Wed, 22 Jun 1994 15:37:17 -0500

From: ihnp4.ucsd.edu!swrinde!gatech!gt-news!clampman.gatech.edu!  
user@network.ucsd.edu

Subject: Dumb question responses

To: info-hams@ucsd.edu

In article <chuck.lampman-220694100419@clampman.gatech.edu>, I wrote to ask about the possibility of danger from RF from a new neighbor's antenna-

Many thanks to Scott Rosenfeld, Tom Bodoh, Scott Dorsey, Sandy Lynch and Gary Coffman, from whom I learned that what I am looking at is a multi-element beam antenna, probably a "triband yagi", that is pointed directly away from us most of the time, with a 2 meter vertical on top of it, and a dipole between the mast and a tree some distance away. I learned to ask her what frequencies she is operating on, and how much power she is radiating, and some basic parameters in terms of what's "normal" and what's possible.

I also learned that not much is known for sure about the dangers of RF, but that in the typical 3 - 30 MHz range there seems to be less concern than in the very high and very low frequency ranges, and that lots of people live in areas with much higher levels of RF than this antenna will generate.

I also learned that hams seem like a pretty good group of folks- sthanks a lot for your help!

Chuck Lampman

Chuck.Lampman@gstrf.gatech.edu

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Date: 22 Jun 1994 18:07:22 -0400  
From: ihnp4.ucsd.edu!swrinde!gatech!gt-news!prism!prism!not-for-mail@network.ucsd.edu  
Subject: Dumb question responses  
To: info-hams@ucsd.edu

chuck.lampman@gstrf.gatech.edu (Chuck Lampman) writes:

>In article <chuck.lampman-220694100419@clapman.gatech.edu>, I wrote to ask  
>about the possibility of danger from RF from a new neighbor's antenna-

>Many thanks to Scott Rosenfeld, Tom Bodoh, Scott Dorsey, Sandy Lynch and  
>Gary Coffman, from whom I learned that what I am looking at is a

<<<description of antenna deleted >>>

>I also learned that hams seem like a pretty good group of folks- sthanks a  
>lot for your help!

>Chuck Lampman

>Chuck.Lampman@gstrf.gatech.edu

I would just like to point out that this shows the true spirit of amateur radio. Rather than a few of those crotchety old-timers whining "don't pick on us", we have some hams stepping forward with honest facts and trying to help folks who aren't as familiar with things we play with in our hobby. Thanks, guys! And Chuck- I missed your original post but I see that you are at Tech stop on by the shack sometime and who knows, maybe someday soon you too will be an amateur radio operator! Send e-mail if you are interested...

73 de Gator

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MIKE "GATOR" WHALEY	KD4UGI	H: (404) 881-9580	W: (404) 853-9902
gt0265d@prism.gatech.edu		40265 Georgia Tech Station, Atlanta, GA 30332	

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Date: 22 Jun 1994 02:42:47 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!utnut!torn!uunet.ca!uunet.ca!

ionews.io.org!sun.cais.com!news@network.ucsd.edu  
Subject: Ham related clip art?  
To: info-hams@ucsd.edu

Anyone out there knows of a ftp or gopher sites that have a collection  
of  
radio related clipart?  
e-mail replies can go to paulot@cais2.cais.com  
thanks...

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Date: Thu, 23 Jun 1994 07:59:50 GMT  
From: news.claremont.edu!paris.ics.uci.edu!csulb.edu!csus.edu!netcom.com!  
dql@uunet.uu.net  
Subject: Help on hard/software to download weather images  
To: info-hams@ucsd.edu

rdemello@vaxc.stevens-tech.edu wrote:  
: I am looking for some info on what software and hardware do I need to  
: be able do download weather maps that show ocean water temps off the eastern  
: coast of NJ.  
Have you tried 'gophering' to the University of Illinois weather machine? Its  
computer keeps a very impressive archive of the weather maps in the States  
(updated every hour or so). The maps are very nice. I have experimented with  
many converters / softwares hooked up to my ham radio in the shack, but I  
must admit that the UofI's maps are far superior because they don't contain  
any noise.

Danh, ke6dnd

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Date: Wed, 22 Jun 1994 23:11:30 GMT  
From: ihnp4.ucsd.edu!munnari.oz.au!yoyo.aarnet.edu.au!yarrina.connect.com.au!  
harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!ipso!rwc@network.ucsd.edu  
Subject: IPS Daily Report - 22 June 94  
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT  
ISSUED AT 22/2330Z JUNE 1994 BY IPS RADIO AND SPACE SERVICES  
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.  
SUMMARY FOR 22 JUNE AND FORECAST UP TO 25 JUNE

IPS Disturbance Warning 17 was issued on 22 June and is current for  
interval 24 June to 4 July  
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## 1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 072/008

GOES satellite data for 21 June

Daily Proton Fluence >1 MeV: 7.6E+05

Daily Proton Fluence >10 MeV: 1.2E+04

Daily Electron Fluence >2 MeV: 1.7E+08

X-ray background: A1.8

Fluence (flux accumulation over 24hrs)/ cm<sup>2</sup>-ster-day.

## 1B. SOLAR FORECAST

	23 June	24 June	25 June
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 070/005

## 1C. SOLAR COMMENT

The coronal hole that has been causing the recent lengthy disturbances appears weaker in xray images.

## 2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices :	A	K	Observed A Index 21 June
Learmonth	07	3232 2111	
Fredericksburg	09		13
Planetary	10		10

Observed Kp for 21 June: 2333 3222

## 2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
23 Jun	12	Quiet to unsettled.
24 Jun	20	Active to minor storm.
25 Jun	20	Active.

## 2C. MAGNETIC COMMENT

None.

3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
22 Jun	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
23 Jun	normal	normal	fair
24 Jun	normal	fair	poor
25 Jun	normal	fair	poor

3C. GLOBAL HF PROPAGATION COMMENT

Degraded HF comms conditions expected after June 24.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near predicted monthly values

Observed T index for 22 June: 32

Predicted Monthly T Index for June is 30.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
23 Jun	30	Near predicted monthly values.
24 Jun	30	Near predicted monthly values.
25 Jun	10	About 15% below predicted monthly values.

4C. AUSTRALIAN REGION COMMENT

Degraded HF comms expected at times during interval June 24 - July 4.

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IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
email: rwc@ips.oz.au fax: +61 2 4148331	PO Box 5606
RWC Duty Forecaster tel: +61 2 4148329	West Chatswood NSW 2057
Recorded Message tel: +61 2 4148330	AUSTRALIA

Date: 22 Jun 1994 21:09:06 GMT

From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!ceylon!news2.near.net!info-server.bbn.com!news!levin@network.ucsd.edu

Subject: LARC vs ARRL now moot?

To: info-hams@ucsd.edu

I was pleased to see in the July issue of QST that regardless of

whether ARRL and Lambda ARC have settled the issue of advertising, the editorial department has no qualms about reporting LARC activities; there is a two-page spread on the topic of DXpeditions LARC and/or its members have participated in.

/JBL

[P.S. Followups have been redirected. Unless you plan to discuss the contents of the article in question, please respect this if you choose to follow up.]

==

Nets: levin@bbn.com | "The Pledge of Allegiance says '..with liberty and  
pots: (617)873-3463 | justice for all'. What part of 'all' don't you  
KD10N | understand?" --Rep. Pat Schroeder (D) Colorado

-----  
Date: 23 Jun 94 03:14:19 GMT  
From: spcuna!starcomm.overleaf.com!n2ayj!n2ayj@RUTGERS.EDU  
Subject: Old QSTs available  
To: info-hams@ucsd.edu

In article <Crrq7r.3vq@news.Hawaii.Edu> jeffrey@kahuna.tmc.edu writes:

>

>In article <16FDC8C73.AEZKENT@vmd.cso.uiuc.edu> aezkent@uicvmc.aiss.uiuc.edu  
writes:

>>Although I am not a ham I have for years been dragging some old QST's around  
>>with me. These are mostly from the 30's into the 50's and mostly complete  
>>although no longer pristine. Anyway I would like to get rid of them,

...Pruned...

>PLEASE PLEASE donate them to a library so that a large number of people  
>can enjoy reading them rather than to a collector who will store them  
>away out of sight. Your nearest college library will gladly accept them  
>- contact the science/technology reference person - they will know  
>the worth of those journals.

Many PUBLIC libraries will also appreciate them. With the current state of budgets in many areas, libraries are not able to purchase books, maintain subscriptions, or even stay open in some cases.

I heartily concur with Jeff...donate them to some steward who will see that they are put to good use. (N.B. - Most radio clubs DO NOT fall into this category; they usually have too many copies of back issues already.)

--



Stan Olochwoszcz, N2AYJ  
n2ayj@n2ayj.overleaf.com  
\*\*Tax, title, dealer prep, and destination charges not included.\*\*

-----  
Date: 23 Jun 1994 08:17:50 -0000  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!torn!uunet.ca!uunet.ca!ionews.io.org!  
nobody@network.ucsd.edu  
Subject: Something different ... CW sent to MIDI !  
To: info-hams@ucsd.edu

Here's something that may be different.

I've just started using a CW training program for my Atari ST.

Wanting a way to use headphones, I modified the program to output to MIDI !

Now I can listen to CW on my Korg M1 !!!!!!!

I kinda like the rythm to hearing 'the end' played at 20wpm ;)  
.... Also the letter 'q' <g>

Mike

--

=====  
Mike Stramba           Email: mike@io.org  
Toronto,Canada        Internex Online - Toronto, Canada (416) 363-3783  
=====

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Date: Wed, 22 Jun 1994 20:52:42 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!nntp.msstate.edu!olivea!news.bu.edu!gw1!nntp!  
bigtop!dwroll!raf@network.ucsd.edu  
Subject: Tunnel Radio Help Request  
To: info-hams@ucsd.edu

-----  
Date: Wed, 22 Jun 1994 22:36:09 GMT  
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa  
Subject: Tunnel Radio Help Request  
To: info-hams@ucsd.edu

In article <2u7o6b\$81q@nyx10.cs.du.edu> whester@nyx10.cs.du.edu (William R. Hester) writes:

>

>I have a work project and I am looking for someone with some real world  
>experience and/or advice in sending RF through underground tunnels.

Just for interest's sake:

Here on Oahu we have two tunnels carved into a mountain range - these are main routes between the South Shore (Honolulu) and the Windward side. The state transportation department has a wideband 'repeater' that repeats the entire AM broadcast band within the tunnels - the antenna wire runs the entire length of each tunnel.

Guess motorists, stuck in rush hour traffic, complained of poor reception; I'd worry more about the noxious fumes.

Jeff NH6IL

-----  
Date: 22 Jun 94 14:32:03 CDT

From: timbuk.cray.com!walter.cray.com!sedist!jwl@uunet.uu.net

Subject: Tunnel Radio Help Request

To: info-hams@ucsd.edu

vlf?

I know it works for subs, but does it work under the earth and can you get any bandwidth? I just tossed that out as a possibility. I'm not very familiar with vlf operation.

Jim.

--

-----  
Jim Lynch, Sales Analyst, Cray Research, Inc. / ARS: K4GV0

Southeast District, Phone: (404) 631-2254, Email: jwl@sedist.cray.com

Suite 270, 200 Westpark Drive, Peachtree City, GA 30269

-----  
Date: 23 Jun 1994 03:14:54 -0500

From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!not-for-mail@network.ucsd.edu

Subject: Tunnel Radio Help Request

To: info-hams@ucsd.edu

>In article <2u7o6b\$81q@nyx10.cs.du.edu> whester@nyx10.cs.du.edu (William R. Hester) writes:

>>

>>I have a work project and I am looking for someone with some real world  
>>experience and/or advice in sending RF through underground tunnels.

Why not give London Underground a shout. Send the mail to any underground station (BakerStreet has the centre). They basiacally have VHF/UHF equipment and the antenna is a very long length of wire which just passes through the tunnels.

That is how they seem to do it.

How they actually do it may be another thing. Just write and ask ;)

Red (GW0TJ0)

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Date: 23 Jun 1994 02:18 CDT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
europa.eng.gtefsd.com!news.umbc.edu!eff!news.duke.edu!convex!news.tcu.edu!  
news.tcu.edu!nntp@network.ucsd.edu  
Subject: Want NEW th78 mod for 800  
To: info-hams@ucsd.edu

Looks like the newest Kenwood TH78 has the 800 MHz blocked. Does anyone have a mod to receive 800 MHz or is this a new CPU?

myles KG5AI

-----  
Date: Wed, 22 Jun 94 12:05:40 PDT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!  
sundog.tiac.net!news.sprintlink.net!crash!slic!kd6ozk@network.ucsd.edu  
Subject: You know its time to retire from the hobby when....  
To: info-hams@ucsd.edu

You know it's time to retire from the hobby when ...

you can hold a discussion with your spouse, respond to a packet message, and carry on as a CW NCS, then wonder where you left your coffee.

--

kd6ozk@slic.cts.com  
SLIC Public Service BBS San Diego, CA USA

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Date: 22 Jun 94 14:25:53 CDT

From: timbuk.cray.com!walter.cray.com!sedist!jwl@uunet.uu.net

To: info-hams@ucsd.edu

References <2tst1c\$7c6@news.ysu.edu>, <1994Jun18.015702.17911@mixcom.mixcom.com>, <LEVIN.94Jun20155831@cassandra.bbn.com>m

Subject : Re: Tech+ license issued.

In article <LEVIN.94Jun20155831@cassandra.bbn.com>, levin@bbn.com (Joel B Levin) writes:

(stuff deleted)

|> |> I believe this started in March when the FCC began accepting the new  
|> |> (current) form 610 (and ONLY that form). If you were to move, say,  
|> |> and submit a photocopy of your CSCE with one of your license and a  
|> |> change-of-address 610, I'll bet you'd get a new license that said Tech  
|> |> Plus, too.

|>  
|> What are they going to do about Tech's who don't have a CSCE because they  
|> got their license long before there was a No-Code Technician Class??

|>  
|> Technician licenses originally issued before that date contain assumed  
|> credit for element 1(A) (5 wpm CW test), though you might have to send  
|> a copy of an older license showing it was issued before that date.

|>  
|> Further, technicians licensed before an earlier date (in 1987, I  
|> forget when) have permanent credit for element 3(B), the General  
|> written test, and can therefore get a General just by passing the 13  
|> wpm CW test, since before that date Technicians took the same written  
|> test as Generals.

Maybe I'm wrong, but doesn't the FCC know who has passed element 1a and who hasn't?

Don't they also know if you are a grandfathered tech too? If they don't how would they

be able to cite you for out of band operation if they caught a no-code on 40 mtr cw?

I suspect that the FCC has all that in their records, so your CSCE is for the benefit of interested parties other than the FCC. When they get around to issuing a renewal/modified license for a TECH PLUS it will show TECH PLUS without the applicant furnishing proof.

No????

73's (I come from the old school! 8^)

Jim.

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Jim Lynch, Sales Analyst, Cray Research, Inc. / ARS: K4GVO  
Southeast District, Phone: (404) 631-2254, Email: jwl@sedist.cray.com  
Suite 270, 200 Westpark Drive, Peachtree City, GA 30269

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Date: (null)  
From: (null)  
Richard Ferguson        My opinions are my own, not that of my employer.

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End of Info-Hams Digest V94 #695  
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